

ABSTRACT

5 The present invention provides a process for producing a
monoalkylated aromatic compound, particularly cumene, comprising the
step of contacting a polyalkylated aromatic compound with an alkylatable
aromatic compound under at least partial liquid phase conditions and in the
presence of a transalkylation catalyst to produce the monoalkylated
aromatic compound, wherein the transalkylation catalyst comprises a
10 mixture of at least two different crystalline molecular sieves, wherein each of
said molecular sieves is selected from zeolite beta, zeolite Y, mordenite and
a material having an X-ray diffraction pattern including d-spacing maxima at
12.4±0.25, 6.9±0.15, 3.57±0.07 and 3.42±0.07 Angstrom.

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